

# Seth L Danielson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6793705/publications.pdf>

Version: 2024-02-01

52  
papers

3,106  
citations

257357

24  
h-index

182361

51  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2422  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circulation on the north central Chukchi Sea shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 3150-3174.	0.6	346
2	Ecosystem characteristics and processes facilitating persistent macrobenthic biomass hotspots and associated benthivory in the Pacific Arctic. <i>Progress in Oceanography</i> , 2015, 136, 92-114.	1.5	222
3	Evidence suggests potential transformation of the Pacific Arctic ecosystem is underway. <i>Nature Climate Change</i> , 2020, 10, 342-348.	8.1	180
4	The Siberian Coastal Current: A wind- and buoyancy-forced Arctic coastal current. <i>Journal of Geophysical Research</i> , 1999, 104, 29697-29713.	3.3	176
5	Freshwater variability and predictability in the Alaska Coastal Current. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2005, 52, 169-191.	0.6	168
6	Coupled wind-forced controls of the Beringâ€“Chukchi shelf circulation and the Bering Strait throughflow: Ekman transport, continental shelf waves, and variations of the Pacificâ€“Arctic sea surface height gradient. <i>Progress in Oceanography</i> , 2014, 125, 40-61.	1.5	150
7	A comparison between late summer 2012 and 2013 water masses, macronutrients, and phytoplankton standing crops in the northern Bering and Chukchi Seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 7-26.	0.6	138
8	The International Bathymetric Chart of the Arctic Ocean Version 4.0. <i>Scientific Data</i> , 2020, 7, 176.	2.4	129
9	A decade of environmental change in the Pacific Arctic region. <i>Progress in Oceanography</i> , 2015, 136, 12-31.	1.5	123
10	The High Latitude Marine Heat Wave of 2016 and Its Impacts on Alaska. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, S39-S43.	1.7	115
11	Ecosystem response persists after a prolonged marine heatwave. <i>Scientific Reports</i> , 2021, 11, 6235.	1.6	110
12	Some controls on flow and salinity in Bering Strait. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	107
13	On ocean and sea ice modes of variability in the Bering Sea. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	106
14	Long-term trends of upwelling and impacts on primary productivity in the Alaskan Beaufort Sea. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2013, 79, 106-121.	0.6	104
15	Advection in polar and sub-polar environments: Impacts on high latitude marine ecosystems. <i>Progress in Oceanography</i> , 2016, 149, 40-81.	1.5	95
16	Hydrographic variability over the northeastern Chukchi Sea shelf in summer-fall 2008â€“2010. <i>Continental Shelf Research</i> , 2013, 67, 5-22.	0.9	91
17	Fluxes, Fins, and Feathers: Relationships Among the Bering, Chukchi, and Beaufort Seas in a Time of Climate Change. <i>Oceanography</i> , 2011, 24, 250-265.	0.5	75
18	Long-term observations of Alaska Coastal Current in the northern Gulf of Alaska. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2016, 132, 24-40.	0.6	60

#	ARTICLE	IF	CITATIONS
19	Southeast Alaska: oceanographic habitats and linkages. <i>Journal of Biogeography</i> , 2009, 36, 387-400.	1.4	59
20	Interannual variability in lower trophic levels on the Alaskan Shelf. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 147, 58-68.	0.6	39
21	Late summer zoogeography of the northern Bering and Chukchi seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 168-189.	0.6	38
22	Ontogenetic, spatial and temporal variation in trophic level and diet of Chukchi Sea fishes. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 78-94.	0.6	34
23	Annual cycle of export fluxes of biogenic matter near Hanna Shoal in the northeast Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 177, 104730.	0.6	33
24	Using biological traits and environmental variables to characterize two Arctic epibenthic invertebrate communities in and adjacent to Barrow Canyon. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 152, 154-169.	0.6	26
25	Diet compositions and trophic guild structure of the eastern Chukchi Sea demersal fish community. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2017, 135, 95-110.	0.6	24
26	On the nature of winter cooling and the recent temperature shift on the northern Gulf of Alaska shelf. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	23
27	Environmental drivers of benthic fish distribution in and around Barrow Canyon in the northeastern Chukchi Sea and western Beaufort Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2018, 152, 170-181.	0.6	22
28	Ontogenetic patterns in lipid and fatty acid biomarkers of juvenile polar cod ( <i>Boreogadus saida</i> ) and saffron cod ( <i>Eleginus gracilis</i> ) from across the Alaska Arctic. <i>Polar Biology</i> , 2020, 43, 1121-1140.	0.5	22
29	Circulation and water properties in the landfast ice zone of the Alaskan Beaufort Sea. <i>Continental Shelf Research</i> , 2017, 148, 185-198.	0.9	20
30	A warm jet in a cold ocean. <i>Nature Communications</i> , 2021, 12, 2418.	5.8	20
31	Tidal currents in the St. Lawrence Island region. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	19
32	A regional hindcast model simulating ecosystem dynamics, inorganic carbon chemistry, and ocean acidification in the Gulf of Alaska. <i>Biogeosciences</i> , 2020, 17, 3837-3857.	1.3	18
33	Integrated ecosystem research in the Pacific Arctic – understanding ecosystem processes, timing and change. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2020, 177, 104850.	0.6	17
34	Sounding the Northern Seas. <i>Eos</i> , 2015, 96, .	0.1	17
35	Modelled connectivity between Walleye Pollock ( <i>Gadus chalcogrammus</i> ) spawning and age-0 nursery areas in warm and cold years with implications for juvenile survival. <i>ICES Journal of Marine Science</i> , 2016, 73, 1890-1900.	1.2	16
36	Developing an observational design for epibenthos and fish assemblages in the Chukchi Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2019, 162, 180-190.	0.6	16

#	ARTICLE	IF	CITATIONS
37	Modulation of ocean acidification by decadal climate variability in the Gulf of Alaska. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	16
38	From sea ice to seals: a moored marine ecosystem observatory in the Arctic. <i>Ocean Science</i> , 2018, 14, 1423-1433.	1.3	15
39	Annual sea-air CO <sub>2</sub> fluxes in the Bering Sea: Insights from new autumn and winter observations of a seasonally ice-covered continental shelf. <i>Journal of Geophysical Research: Oceans</i> , 2014, 119, 6693-6708.	1.0	14
40	Arctic tidal current atlas. <i>Scientific Data</i> , 2020, 7, 275.	2.4	14
41	Assessing the role of oceanic heat fluxes on ice ablation of the central Chukchi Sea Shelf. <i>Progress in Oceanography</i> , 2020, 184, 102313.	1.5	14
42	Modeling the dispersal of polar cod ( <i>Boreogadus saida</i> ) and saffron cod ( <i>Eleginus gracilis</i> ) early life stages in the Pacific Arctic using a biophysical transport model. <i>Progress in Oceanography</i> , 2021, 196, 102571.	1.5	14
43	Oceanic Routing of Wind-Sourced Energy Along the Arctic Continental Shelves. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	11
44	Demonstrating a High-Resolution Gulf of Alaska Ocean Circulation Model Forced Across the Coastal Interface by High-Resolution Terrestrial Hydrological Models. <i>Journal of Geophysical Research: Oceans</i> , 2020, 125, e2019JC015724.	1.0	10
45	Impact of a warm anomaly in the Pacific Arctic region derived from time-series export fluxes. <i>PLoS ONE</i> , 2021, 16, e0255837.	1.1	10
46	Mean and Seasonal Circulation of the Eastern Chukchi Sea From Moored Timeseries in 2013–2014. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2020JC016863.	1.0	9
47	Multi-scale temporal variability in biological-physical associations in the NE Chukchi Sea. <i>Polar Biology</i> , 2021, 44, 837-855.	0.5	8
48	Depth distribution of organic carbon sources in Arctic Chukchi Sea sediments. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, 199, 105076.	0.6	5
49	Diatom growth, biogenic silica production, and grazing losses to microzooplankton during spring in the northern Bering and Chukchi Seas. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2021, 191-192, 104950.	0.6	3
50	Long: Influence of water masses on the summer structure of the seabird community in the northeastern Chukchi Sea. <i>PLoS ONE</i> , 2022, 17, e0266182.	1.1	3
51	Impacts of short-term wind events on Chukchi hydrography and sea-ice retreat. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2022, , 105078.	0.6	1
52	Representative range of acoustic point source measurements in the Chukchi Sea. <i>Elementa</i> , 2022, 10, .	1.1	0